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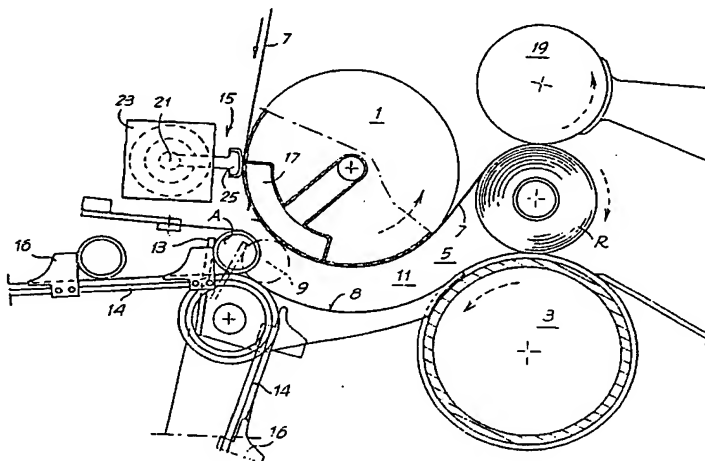
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(54) Title: **REWINDING MACHINE FOR PRODUCING LOGS OF WOUND WEB MATERIAL AND RELATIVE METHOD**



(57) **Abstract:** The rewinding machine comprises: a first winding roller (1); a second winding roller (3); a nip (5) defined between said first and said second winding roller, through which said web material (7) is fed; a roller surface, extending upstream of said nip in relation to the direction of feed of the web material and defining, with the first winding roller (1), a channel into which winding cores are fed, said channel having an inlet (9) and an outlet (11); a feeder (13) to feed winding cores into said channel; a severing device to sever the web material upon termination of winding a log. The severing device is disposed to operate on the web material in a position upstream of the inlet end of said channel, in relation to the direction of feed (f7) of the web material and the first winding roller has suction openings on its cylindrical surface. Moreover, between the position in which said severing device operates and the inlet of said channel a suction box (17) is provided inside said first winding roller.